New York State Integrated Pest Management Program

1997 ANNUAL REPORT

Project Title: **Impact of Cover Crops and Organic Amendments on Snap Bean Root Rots.**

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1. Effect of incorporation time of ryegrain under dry or wet conditions on bean growth and root rot severity in the greenhouse.- Ryegrain was planted in 6-inch pots filled with either pasteurized or untreated soil collected from the root rot field at the Geneva Station. After 8 weeks, the ryegrain in each pot was chopped and mixed well with the soil of the same pot and maintained in the greenhouse until planting to beans. Half the pots of each of the pasteurized and the untreated soils were maintained in a wet condition, whereas the remaining pots were left dry (initially at about field capacity without additional watering). At 1, 2, or 4 weeks after the incorporation of ryegrain; five 4-inch pots of each of the treatments (untreated-wet, untreated-dry, pasteurized-wet, pasteurized-dry) were filled with this soil and planted with seeds of Labrador (7/pot). All the pots were watered and maintained similarly. The test was terminated after 5 weeks and bean growth and root rot severity were recorded.

For a printed copy of the entire report, please contact the NYS IPM office at:

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